CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22 Date:05.01.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample : :Cement (Ultratech 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : December - 2021

Date of Testing : 03.01.2022 to 05.01.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	125 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/MR/W.No.17/2021-22 Date : 05.01.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Date of Testing : 05.01.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	94	9.40	9.40	90.6	90-100
2.36	102	10.20	19.60	80.4	75-100
1.18	127	12.70	32.30	67.7	55-90
600 Micron	226	22.60	54.90	45.1	35-59
300 Micron	195	19.50	74.40	25.6	8-30
150 Micron	204	20.40	94.80	5.2	0-10

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date : 05.01.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Date of Testing : 05.01.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	217	1.45	1.45	98.55	95-100
20	8351	55.67	57.12	42.88	30-70
10	3149	20.99	78.11	21.89	10-35
4.75	2651	17.67	95.79	4.21	0-5

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date : 05.01.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Date of Testing : 05.01.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	211	4.2	4.2	95.8	95-100
10	2558	51.2	55.4	44.6	25-55
4.75	1972	39.4	94.8	5.2	0-10

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date : 05.01.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Date of Testing : 05.01.2022

Material : Sand(Plastering)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	16	1.60	1.60	98.4	95-100
2.36	19	1.90	3.50	96.5	95-100
1.18	27	2.70	6.20	93.8	90-100
600 Micron	75	7.50	13.70	86.3	80-100
300 Micron	223	22.30	36.00	64.0	20-65
150 Micron	515	51.50	87.50	12.5	0-15

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date : 05.01.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Date of Testing : 05.01.2022

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	23	2.30	2.30	97.7	90-100
1.18	21	2.10	4.40	95.6	70-100
600 Micron	68	6.80	11.20	88.8	40-100
300 Micron	245	24.50	35.70	64.3	5-70
150 Micron	503	50.30	86.00	14.0	0-15

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date 05.01.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of Work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 05.01.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.399	515	619	1.20	18
2	TMT	10	0.617	503	622	1.24	22
3	TMT	12	0.889	526	609	1.16	14.5

Note:

The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22 05.01.2022

TEST REPORT ON PVC PIPE

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	**: M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of Work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample Supplied by	: AGENCY
BIS Code	IS 4985:2000
Sample Identification	PVC pipe 25mm dia
Date of Testing	05.01.2022

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	25	25 mm
2	Mean Outside Diameter (mm)	25	Min 25 mm Max 25 mm
3	Outside Diameter at Any Point (mm)	25.3mm	Min 24.5 mm Max 25.5 mm

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date: 25.01.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.01.2022	25.01.2022	8.021	252.3	11.21
2	18.01.2022	25.01.2022	8.097	268.2	11.92
3	18.01.2022	25.01.2022	8.154	274.3	12.19

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date: 25.01.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.01.2022	25.01.2022	8.136	248.5	11.04
2	18.01.2022	25.01.2022	8.159	263.9	11.73
3	18.01.2022	25.01.2022	8.100	256.7	11.41

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date: 27.01.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.01.2022	27.01.2022	8.182	259.5	11.53
2	20.01.2022	27.01.2022	8.163	250.7	11.14
3	20.01.2022	27.01.2022	8.114	272.3	12.10

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date: 15.02.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.01.2022	15.02.2022	8.088	364.2	16.19
2	18.01.2022	15.02.2022	8.043	375.8	16.70
3	18.01.2022	15.02.2022	8.012	383.2	17.03

Note:
1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

Date: 15.02.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Agency : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.01.2022	15.02.2022	8.049	371.6	16.52
2	18.01.2022	15.02.2022	8.005	360.5	16.02
3	18.01.2022	15.02.2022	8.107	385.9	17.15

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/MR/W.No.17/2021-22

Date: 17.02.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Agency	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.01.2022	17.02.2022	8.191	369.5	16.42
2	20.01.2022	17.02.2022	8.160	378.4	16.82
3	20.01.2022	17.02.2022	8.115	384.2	17.08

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

10.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2022	10.02.2022	8.020	395.0	17.56
2	03.02.2022	10.02.2022	8.136	418.0	18.58
3	03.02.2022	10.02.2022	8.059	428.0	19.02

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

10.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	**: M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2022	10.02.2022	8.041	419.7	18.65
2	03.02.2022	10.02.2022	8.121	424.7	18.88
3	03.02.2022	10.02.2022	8.032	436.8	19.41

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No : CQCE/BBMP/MR/W.No.17/2021-22

25.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2022	25.02.2022	8.117	419.7	18.65
2	18.02.2022	25.02.2022	8.159	427.6	19.00
3	18.02.2022	25.02.2022	8.097	436.4	19.40

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

25.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2022	25.02.2022	8.046	415.7	18.48
2	18.02.2022	25.02.2022	8.139	425.3	18.90
3	18.02.2022	25.02.2022	8.007	435.4	19.35

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.127	423.4	18.82
2	18.03.2022	25.03.2022	8.027	437.9	19.46
3	18.03.2022	25.03.2022	8.092	447.6	19.89

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.076	408.6	18.16
2	18.03.2022	25.03.2022	8.019	417.4	18.55
3	18.03.2022	25.03.2022	8.112	423.8	18.84

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/MR/W.No.17/2021-22

11.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	11.04.2022	8.066	419.4	18.64
2	04.04.2022	11.04.2022	8.167	423.7	18.83
3	04.04.2022	11.04.2022	8.030	430.6	19.14

Note:
1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: COCE/BBMP/MR/W.No.17/2021-22

11.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Contractor : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	11.04.2022	8.181	390.6	17.36
2	04.04.2022	11.04.2022	8.071	410.4	18.24
3	04.04.2022	11.04.2022	8.021	420.8	18.70

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

03.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Contractor : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2022	03.03.2022	8.045	612.7	27.23
2	03.02.2022	03.03.2022	8.168	622.5	27.67
3	03.02.2022	03.03.2022	8.099	633.6	28.16

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

03.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Contractor : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.02.2022	03.03.2022	8.027	621.3	27.61
2	03.02.2022	03.03.2022	8.067	631.5	28.07
3	03.02.2022	03.03.2022	8.108	641.7	28.52

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/MR/W.No.17/2021-22

18.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	: **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.
Name of the work	: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2022	18.03.2022	8.147	613.4	27.26
2	18.02.2022	18.03.2022	8.082	626.7	27.85
3	18.02.2022	18.03.2022	8.010	635.8	28.26

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MR/W.No.17/2021-22

18.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP, Bangalore.

Contractor : **M/s M R Infra (C.R.Mangala),** Contractor, Bangalore.

Name of the work : Construction of Shops at HMT Layout and JP Park Double Road in ward no 17 , BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.02.2022	18.03.2022	8.062	591.5	26.29
2	18.02.2022	18.03.2022	8.162	607.6	27.00
3	18.02.2022	18.03.2022	8.005	624.3	27.75

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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